

520305

92 J/6E/

7W

RUTHERFORD CREEK GOLD PROPERTY

Mapsheet 92J 6E/7W, Pemberton, B.C.

Lat 50 16/Long 123 00 25. UTM 5569 000N/499 000 E

CLAIMS:Bird claims**OWNER:****Jim McDonald, Prospector.**

c/o B.J.Price Geological,

Tel: 604-682-4488, Fax: 604-682-8728**LOCATION:**

The property is situated on the south side of Rutherford Creek, approximately 10 km south of Pemberton B.C. and is reached by a logging road from the Whistler-Pemberton Highway. Several logging roads give access to the property.

HISTORY

1978: The Rainbow syndicate, (Newmont, Union Oil, Bethlehem and John McGoran) staked the ground in 1978 on the basis of a gold-zinc stream sediment anomaly in Rutherford Creek drainages. A gold-silver geochemical anomaly 200 x 250 meters had values up to 780 ppb gold. Gold flakes could be panned from the soil in this area. Trenching revealed a silicified, pyrite-bearing shear zone, cutting layered volcanic tuffs and flows. The syndicate spent about \$18,000 on exploration.

1987: Castle Minerals staked the ground as the Wren and Sparrow claims. A grid was cut and roads were mapped and sampled, with 899 soil samples analyzed for Au and Ag only. 15% of the samples had in excess of 100 ppb Au, with maximum 5690 ppb Au and 6.6 ppm Ag. Magnetometer and VLF-EM surveys were done. One VLF anomaly coincided with a soil Au anomaly. In 1989, five short drillholes were completed (21-61 meters); recovery was poor. Fault gouge returned high gold values to 140 ppb Au and 722 ppm Tungsten. Quartz stringers contained up to 600 ppb gold, (0.0175 opt) in a 10 ft run, (all cores split in 10 ft sections). About \$76,000 was spent.

1990: Noranda Exploration optioned the property and completed 43 km of grid with North/South baseline 2.3 km in length and 24 cross-lines. The grid was mapped in detail, 1215 soils were taken at 25 m stations and 74 rock samples. A 5 cm quartz vein in the granite plug assayed 1570 ppb gold. A magnetometer survey, (33 km) and EM survey (3.8 km) were completed. About \$100,000 was spent.

1993: Jim McDonald re-staked the property.

GEOLOGY:

The claims cover a roof pendant of Lower Cretaceous volcanic rocks, (Gambier Group), in quartz diorites and granodiorites of the Coast Plutonic Complex. Thin beds of shale and siltstone alternate with andesitic pyroclastic tuffs and breccias. The dominant structural trend is northwest. A small granite intrusive plug with local potassic alteration is present. The tuffs have chlorite and epidote alteration. A silicified shear zone extends for about 600 meters. An area of phyllic alteration with moderate to strong sericite alteration and pyrite is related to one or more north/south trending faults and shears.

GEOCHEMISTRY: "A substantial coincident Ag, Cu, Pb, Zn anomalous area" from 514N-523N and 502E-508E. Values average:

Element	Average	Max
Ag	3.0 ppm	6.4 ppm
Cu	200 ppm	1638 ppm
Pb	200 ppm	1624 ppm
Zn	300 ppm	1434 ppm

The anomaly may continue to the west beyond the limits of Noranda samplin in steeper topography. A smaller polymetallic anomaly coincides with a steep gully and silicified shear along the 500E tie-line.

A gold anomaly with average of 400 ppb Au lies directly over the intrusive stock from 516-518 N and 509-510 E. Two linear north-trending anomalies with values generally over 100 ppb and up to 1500 ppb are thought to be related to north-south shears.

REFERENCES

McGoran Report, Rainbow syndicate
Ralph Gonzalez report, Castle Min.
Linda Erdman Report, Noranda

RECOMMEND:

The property needs an IP survey. Geological and geochemical maps should be replotted or Noranda basemaps acquired. There is some possibility of VMS (Volcanogenic Massive Sulphide) in the western volcanic package with large clast breccias. Main target of a shear-hosted low-grade gold deposit in the intrusive should be evaluated by surface trenching and drilling. The gold deposit model would be similar to RN gold (Harrison Lake) for the intrusive area or similar to the Northair Mine.

Although this property has been explored in the past, it has a number of good untested targets and would make a plausible IPO property.

Barry J.Price, M.Sc., P.Geo.
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Jim has proposed to drill 4-8 percussion drill-holes on the gold target at approx \$4/ft or \$600 per day. Although this would serve to file assessment and evaluate near-surface rock in a rough way, ideally a comprehensive program would be preferred:

- 1. Compile several generations of geochemical data on to a detailed topographic base-map estimate \$7,500.00
- 2. Stake additional claims where required. \$5,000
- 3. Cut an IP grid and complete IP, EM surveys. \$40,000
- 4. Geological mapping and prospecting. \$10,000
- 5. Drill 5 x 300 ft NQ diamond drill-holes over the best targets and re-evaluate. \$50,000

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